## IN THE CLAIMS

The listing of claims replaces all previous listing of claims:

Claim 1 (amended). A network switch comprising:

a first media access controller (MAC) coupled to a plurality of ports;

a transmitter coupled to the first MAC; and

packet queuing control (PQC) coupled to the a receiver, wherein the PQC includes:

a main queue for storing information corresponding to one or more data packets to be transmitted from the network switch as unicast transactions; and

a broadcast queue for storing information corresponding to one or more data packets to be transmitted from the network switch as broadcast transactions, said information including at least one pointer to a next location the main queue corresponding to a memory location from which data is to be transmitted.

Claim 2 (original). The network switch of claim 1 wherein the broadcast queue comprises a plurality of port queues, wherein each of the plurality of port queues corresponds to one of the plurality of ports.

Claim 3 (original). The network switch of claim 2 wherein the plurality of port queues comprise:

a first port queue for storing information corresponding to one or more data packets to be transmitted from a first of the plurality of ports; and



a second port queue for storing information corresponding to one or more data packets to be transmitted from a second of the plurality of ports.

Claim 4 (original). The network switch of claim 2 wherein the information stored in the main queue and the broadcast queue includes a port number from which a data packet stored in a corresponding memory location is to be transmitted.

Claim 5 (original). The network switch of claim 4 wherein the information stored in the main queue and the broadcast queue further includes a pointer to the next queue location from which a data packet stored in a corresponding memory location is to be transmitted.

Claim 6 (original). The network switch of claim 5 wherein pointers to a next queue are stored in the main queue for unicast transactions and stored in the plurality of broadcast port queues for broadcast transactions.

Claim 7 (amended). The network switch of claim 1 further comprising:

address resolution logic (ARL) coupled to the PQC and the receiver;

a receiver coupled to the ARL; and

Claim 8 (amended). A packet queuing control (PQC) comprising:

a second MAC coupled to the receiver.

a main queue for storing information corresponding to one or more data packets to be transmitted from a network switch as unicast transactions and information corresponding to one or more data packets to be transmitted from the network switch as broadcast transactions; and

a broadcast queue for storing information corresponding to one or more data packets to be transmitted from a network switch as broadcast transactions.

Claim 9 (amended). The network switch PQC of claim 8 wherein the broadcast queue comprises a plurality of port queues, wherein each of the plurality of port queues corresponds to one of the plurality of ports.

Claim 10 (amended). The network switch PQC of claim 9 wherein the plurality of port queues comprise:

a first port queue for storing information corresponding to one or more data packets to be transmitted from a first of the plurality of ports; and

a second port queue for storing information corresponding to one or more data packets to be transmitted from a second of the plurality of ports.

Claim 11 (amended). The network switch <u>PQC</u> of claim 9 wherein the information stored in the main queue and the broadcast queue includes a port number from which a data packet stored in a corresponding memory location is to be transmitted.

Claim 12 (amended). The network switch PQC of claim 11 wherein the information stored in the main queue and the broadcast queue further includes a pointer to the next queue location from which a data packet stored in a corresponding memory location is to be transmitted.

Claim 13 (amended). The network switch <u>PQC</u> of claim 12 wherein pointers to a next queue are stored in the main queue for unicast transactions and stored in the plurality of broadcast port queues for broadcast transactions.

Claim 14 (amended). A method comprising:

receiving a first data packet at a first input port coupled to a network switch;

determining whether the first data packet is to be transmitted from the network switch as a unicast transaction; and

if so, storing a pointer in a main queue corresponding to the next location in the main queue corresponding to a memory location from which data is to be transmitted from the network switch;

otherwise, storing a plurality of pointers in a broadcast queue corresponding to the one or more next location locations in the main queue corresponding to a memory location from which data is to be transmitted from the network switch.

Claim 15 (original). The method of claim 14 wherein the process of storing a plurality of transaction pointers corresponding to the first memory location in a broadcast queue comprises:

storing the pointer in a first port queue in the broadcast queue, wherein the first port queue corresponds to a first output port coupled to the network switch; and

storing the pointer in a second port queue in the broadcast queue, wherein the second port queue corresponds to a second output port coupled to the network switch.

Claim 16 (original). The method of claim 15 further comprising:

transmitting the first data packet from the network switch via the first output port; and transmitting the first data packet from the network switch via the second output port.